

Appln. No. 09/905,716

Amendment Date: January 18, 2005

Reply to Office Action of November 18, 2004

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Amendments to the specification:

Please replace the paragraph beginning after the heading entitled "BACKGROUND OF THE INVENTION" at the top of page 1 as follows:

A filter and processing sequence is described that efficiently combines and performs two or more tasks required to demodulate a composite 3G (third generation) wireless signal formed by a combination of wideband 3.84 MHz (Universal Mobile Telecommunications System, hereinafter referred to as "UMTS" or Universal Mobile Telecommunications System Terrestrial Radio Access, hereinafter referred to as "UTRA") carriers and narrowband 1.2288 MHz CDMA-2000 carriers. The three tasks, applied to each spectral component of the 3G wireless signal and described in the order of a traditional filtering structure are: Spectral translation, Bandwidth Reduction, and Sample Rate Selection. These tasks are traditionally implemented in three distinct pieces of hardware or software modules.

Please insert the following heading after line 5 on page 5:

SUMMARY OF THE INVENTION